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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,131	11/24/2003	Emad S. Isaac	IS01257TC	9437

7590 01/10/2007

Motorola Energy Systems Group
1700 Belle Meade Court
Lawrenceville, GA 30043

EXAMINER	
CABRERA, ZOILA E	
ART UNIT	PAPER NUMBER
2125	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/723,131	ISAAC, EMAD S.	
	Examiner	Art Unit	
	Zoila E. Cabrera	2125	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 December 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-11* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-11* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *12/1/05;11/24/03*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claim 3 is objected to because of the following informalities: Claim 3 is dependent on claim 3. Appropriate correction is required. For purposes of providing a complete action, claim 3 has been treated as dependent on claim 1.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-2, 4-5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murray (US 6,484,033) in view of Takayama et al. (US 2002/0103597 A1).

Murray discloses, regarding claims 1 and 7

1. A method for notifying a party of a traveler's estimated time of arrival, the method comprising the steps of: a. providing a navigation unit to the traveler, the navigation unit comprising an input, an output, a wireless communication device and a global positioning systems module (Fig. 1, elements 77, 32, 40; Col. 4, lines 34-39; Col. 2, lines 31-37) b. providing a service center, the service center comprising a means for sending and receiving communications to and from the wireless communication device (Fig. 1, element 76), and a traffic database capable of receiving current traffic information (Col. 4, lines 46-54; Col. 13, lines 4-8; Fig. 1, element 46); c. selecting a

predetermined time of notifying the third party (Fig. 10); d. calculating an estimated time of arrival based upon a position of the traveler, a velocity of the traveler, a distance to be traveled, and a delay due to traffic (Col. 10, lines 14-23, i.e., location, speed, direction, traffic data; Col. 2, lines 26-30, i.e., distance; Col 13, lines 4-8 and 37-38); and e. notifying a party of the estimated time of arrival (Col. 13, lines 27-31).

As for claims 5 and 10

5. The method of claim 4, wherein the notification of the party is made by a means **selected from the group consisting of** cellular communications, textual paging, land-line telephone calls, facsimile transmissions, e-mails, and two-way radio communications (Fig. 1; Col. 4, lines 9-20).

Murray discloses the limitations of claim 1 above but fails to disclose some limitations of claims 1 and 7 and the limitations of claims 2 and 4. However, **Takayama** discloses such limitations as follows:

As for claims 1 and 7,

a server capable of generating a preferred route of travel for the traveler, the preferred route of travel comprising at least a plurality of points ([0185-[0186]; [0222]; [0242]); selecting a predetermine frequency of notifying the third party ([0330]; [0312], i.e., repeats the operations performed at predetermined time intervals, at predetermined distance intervals and/or predetermined places; [0205], i.e., the generating unit 19 may be arranged not only in the user terminal 10, but also in the center 40 or a different portable terminal; [0012], i.e., presents the navigation information to a user or users).

As for claims 2 and 4,

2. The method of claim 1, further comprising the step of adding a delay due to weather conditions ([0160]; [0242]).

4. The method of claim, 1 wherein the time and frequency of notifying the party is based upon at least one criterion selected from the group consisting of maneuver points, instruction points, warning points, preparation points, confirmation points, a predetermined frequency, user defined points, geometric divisions of the route based upon distance, changes in time of travel, remaining time of travel and a predetermined appointment time ([0312], i.e., repeats the operations performed at predetermined time intervals, at predetermined distance intervals and/or predetermined place).

Therefore, it would have been obvious to a person of the ordinary skill in the art at the time the invention was made to combine the wireless communication system of **Murray** with the navigation system of **Takayama** because it would provide an improved navigation system for providing route information or additional information such as route navigation, sightseeing information, a delivery plan, a travel plan, traffic control, scheduling, etc. via a network or an electronic medium and presents such information to a user or users ([0002]; [0012]).

3. Claims 3 and 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Murray (US 6,484,033)** in view of **Takayama et al. (US 2002/0103597 A1)** and further in view of **Adamczyk et al. (US 6,774,840 B1).**

As for claims 3 and 8-10, **Murray and Takayama** disclose the limitations of claims 1, 7, and 4-5 above (Please note that the same citations applied to claims 4-5 above apply as well for claims 9-10). However, **Murray and Takayama** fail to disclose, as for claims 3 and 8, generating a confirmation message, wherein the confirmation message indicates that the party has been notified. However, **Adamczyk** discloses generating a confirmation message, wherein the confirmation message indicates that the party has been notified (Col. 10, lines 31-44). Therefore, it would have been obvious to a person of the ordinary skill in the art at the time the invention was made to combine the teachings of **Murray and Takayama** with the notification system of **Adamczyk** because it would provide an improved system for determining whether a specified person has arrived at a specified location and providing notification of such an arrival (**Adamczyk,** Col. 1, lines 20-25).

4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Murray (US 6,484,033)** in view of **Takayama et al. (US 2002/0103597 A1)** and further in view of **Coffee et al. (US 6,892,131)**.

As for claim 6, **Murray and Takayama** disclose the limitations of claim 1 above but fail to disclose calculating the estimated time of arrival is accomplished with a Kalman filter. However, **Coffee** discloses calculating the estimated time of arrival is accomplished with a Kalman filter (Col. 53, line 19 to Col. 54, line 60). Therefore, it would have been obvious to a person of the ordinary skill in the art at the time the invention was made to combine the teachings of **Murray and Takayama** with the vehicle tracking communication system of **Coffee** because it would provide an improved

system by using a Kalman filter and thereby provide estimate sensor error states with enough fidelity to achieve the desired navigation accuracy (**Coffee,** Col. 53, lines 45-60).

5. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Murray, Takayama, and Adamczyk** as applied to claims 7-10 above and further in view of **Coffee et al. (US 6,892,131)**.

As for claim 11, **Murray, Takayama, and Adamczyk** disclose the limitations of claims 7-10 above but fail to disclose calculating the estimated time of arrival is accomplished with a Kalman filter. However, **Coffee** discloses calculating the estimated time of arrival is accomplished with a Kalman filter (Col. 53, line 19 to Col. 54, line 60). Therefore, it would have been obvious to a person of the ordinary skill in the art at the time the invention was made to combine the teachings of **Murray, Takayama, and Adamczyk** with the vehicle tracking communication system of **Coffee** because it would provide an improved system by using a Kalman filter and thereby provide estimate sensor error states with enough fidelity to achieve the desired navigation accuracy (**Coffee,** Col. 53, lines 45-60).

Conclusion

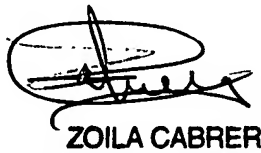
6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning communication or earlier communication from the examiner should be directed to Zoila Cabrera, whose telephone number is (571) 272-

3738. The examiner can normally be reached on M-F from 8:00 a.m. to 5:30 p.m. EST (every other Friday).

If attempts to reach the examiner by phone fail, the examiner's supervisor, Leo Picard, can be reached on (571) 272-3749. Additionally, the fax phones for Art Unit 2125 are (571) 273-8300. Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist at (703) 305-9600.

Zoila Cabrera
Primary Examiner
1/5/07



ZOILA CABRERA
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100

01/5/07